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Building & Highway Material Testing Laboratory

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JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/W.No.08/VMK/CEMENT/2014-15

Date: 16.07.2014

TEST REPORT

CLIENT	:	**Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
AGENCY	:	**Mr. V. Mohan Kumar,** Contractor, Bangalore.
NAME OF THE WORK	:	Providing Chain Link Fencing at facing Kodigehalli Main Road (Near by Opp. BB Nagar in Sy. No.58) in Ward No.08, BBMP, Bangalore.
REFERENCE	:	AEE/KG/(WO)/19/2014-15 Dated: 14.07.2014
SAMPLE ID	:	CEMENT
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 1989-2013
1	Standard Consistency	IS-4031 (Part -4)	30.00 %	-
2	a) Initial Setting Time	IS-4031 (Part -5)	135 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	465 Minutes	Not More than 600 Minutes
3	Soundness by the Le-Chatelier method	IS-4031 (Part 3)	1 mm	Not more than 10 mm

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23/14, 7th Cross, 3rd Stage,
4th Block, Shakthiganapathinagara,
Basaveshwaranagar,
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Job No.: CTCE/BBMP/W.No.08/VMK/SAND/2014-15 : 16.07.2014

TEST REPORT ON FINE AGGREGATES
IS 383-1970 (RA- 2002)

Client : **Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

Agency : **Mr. V. Mohan Kumar,** Contractor, Bangalore.

Name of Work : Providing Chain Link Fencing at facing Kodigehalli Main Road (Near by Opp. BB Nagar in Sy. No.58) in Ward No.08, BBMP, Bangalore.

Reference : AEE/KG/(WO)/19/2014-15 Dated: 14.07.2014

Date of Testing : 16.07.2014

Material : Sand Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	60	6.00	6.00	94.0	90-100
2.36	170	17.00	23.00	77.0	75-100
1.18	200	20.00	43.00	57.0	55-90
600 Micron	186	18.60	61.60	38.4	35-59
300 Micron	189	18.90	80.50	19.5	8-30
150 Micron	152	15.20	95.70	4.3	0-10

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Job No.: CTCE/BBMP/W.No.08/VMK/AGG/2014-15 : 16.07.2014

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

Client : **Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

Agency : **Mr. V. Mohan Kumar,** Contractor, Bangalore.

Name of Work : Providing Chain Link Fencing at facing Kodigehalli Main Road (Near by Opp. BB Nagar in Sy. No.58) in Ward No.08, BBMP, Bangalore.

Reference : AEE/KG/(WO)/19/2014-15 Dated: 14.07.2014

Date of Testing : 16.07.2014

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **10000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	325	3.25	3.25	96.75	95-100
20	5250	52.50	55.75	44.25	30-70
10	2565	25.65	81.40	18.60	10-35
4.75	1565	15.65	97.05	2.95	0-5

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Job No.: CTCE/BBMP/W.No.08/VMK/AGG/2014-15 : 16.07.2014

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

Client : **Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

Agency : **Mr. V. Mohan Kumar,** Contractor, Bangalore.

Name of Work : Providing Chain Link Fencing at facing Kodigehalli Main Road (Near by Opp. BB Nagar in Sy. No.58) in Ward No.08, BBMP, Bangalore.

Reference : AEE/KG/(WO)/19/2014-15 Dated: 14.07.2014

Date of Testing : 16.07.2014

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Tabel - 1

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
40	0	0	0	100	100
20	120	2.40	2.4	97.60	95-100
10	3300	66.00	68.4	31.60	25-55
4.75	1250	25.00	93.4	6.60	0-10

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4th Block, Shakthiganapathinagara,
Basaveshwaranagar,
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Job No.: CTCE/BBMP/W.No.08/VMK/MS Angle/2014-15 16.07.2014

TEST REPORT ON STRUCTURAL STEEL

Client : **Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

Agency : **Mr. V. Mohan Kumar**, Contractor, Bangalore.

Name of work : Providing Chain Link Fencing at facing Kodigehalli Main Road (Near by Opp. BB Nagar in Sy. No.58) in Ward No.08, BBMP, Bangalore.

Reference : AEE/KG/(WO)/19/2014-15 Dated: 14.07.2014

Samples ID : Samples Supplied By Agency

Specimen Size : ISA-65X65X6mm (1m Length)

Sl.No	Description	Result
1	Thickness	6.25
2	Width	65.0 mm
3	Weight / Meter	5.850 Kg

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23/14, 7th Cross, 3rd Stage,
4th Block, Shakthiganapathinagara,
Basaveshwaranagar,
Bangalore-560079.

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

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Job No.: CTCE/BBMP/W.No.08/VMK/MS Pipe/2014-15 16.07.2014

TEST REPORT ON M.S PIPE (38mm Dia)

Client : **Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

Agency : **Mr. V. Mohan Kumar**, Contractor, Bangalore.

Name of work : Providing Chain Link Fencing at facing Kodigehalli Main Road (Near by Opp. BB Nagar in Sy. No.58) in Ward No.08, BBMP, Bangalore.

Reference : AEE/KG/(WO)/19/2014-15 Dated: 14.07.2014

Samples ID : Samples Supplied By Agency

Specimen Size : M.S Pipe 38mm Dia

PHYSICAL TEST

Sl.No	Description	Result
1	Thickness	2.30 mm
2	Inner Diameter	38.55 mm
3	Outer Diameter	43.15 mm
4	Weight / Meter	1.895 Kg

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23/14, 7th Cross, 3rd Stage,
4th Block, Shakthiganapathinagara,
Basaveshwaranagar,
Bangalore-560079.

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

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Job No.: CTCE/BBMP/W.No.08/VMK/Fencing/2014-15 16.07.2014

TEST REPORT ON CHAIN LINK FENCING WIRE (8TH Gauge)

Client : **Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

Agency : **Mr. V. Mohan Kumar**, Contractor, Bangalore.

Name of work : Providing Chain Link Fencing at facing Kodigehalli Main Road (Near by Opp. BB Nagar in Sy. No.58) in Ward No.08, BBMP, Bangalore.

Reference : AEE/KG/(WO)/19/2014-15 Dated: 14.07.2014

Samples ID : Samples Supplied By Agency

Sl.No	Description	Result
1	Diameter	4.15 mm
2	Internal Spacing	50 mm X 50 mm
3	Weight / Meter (1m x 1m)	4.245 Kg

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M/s. Civil-Tech Consultants & Engineers
23/14, 7th Cross, 3rd Stage,
4th Block, Shakthiganapathinagara,
Basaveshwaranagar,
Bangalore-560079.

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

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Job No.: CTCE/BBMP/W.No.08/VMK/CUBE/2014-15 15.08.2014

TEST REPORT ON CONCRETE CUBES

Client : **Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

Agency : **Mr. V. Mohan Kumar,** Contractor, Bangalore.

Name of the work : Providing Chain Link Fencing at facing Kodigehalli Main Road (Near by Opp. BB Nagar in Sy. No.58) in Ward No.08, BBMP, Bangalore.

Reference : AEE/KG/(WO)/19/2014-15 Dated: 14.07.2014

Sample ID : Coping Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	18.07.2014	15.08.2014	8.375	272.8	12.12
2	18.07.2014	15.08.2014	8.196	245.6	10.92
3	18.07.2014	15.08.2014	8.237	268.5	11.93

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Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

M/s. Civil Tech Consultants & Engineers
23/14, 7th Cross, 3rd Stage,
4th Block, Shakthiganapathinagara,
Basaveshwaranagar,
Bangalore-560079.

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.
Tele Fax : 23223227, Website : www.civiltechconsultants.com
E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com